



1/4

APPROVED	O.G. FIG.
	CLASS SUBCLASS
BY DRAFTSMAN	

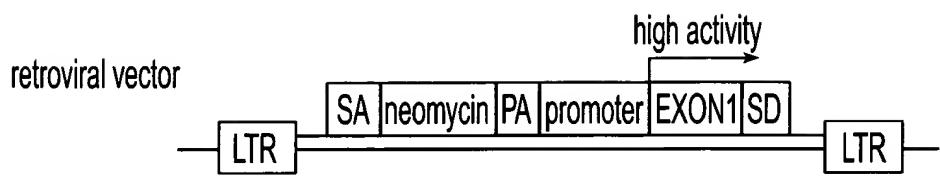


Fig. 1A



2/4

APPROVED	O.G. FIG.
CLASS	SUBCLASS
BY	DRAFTSMAN

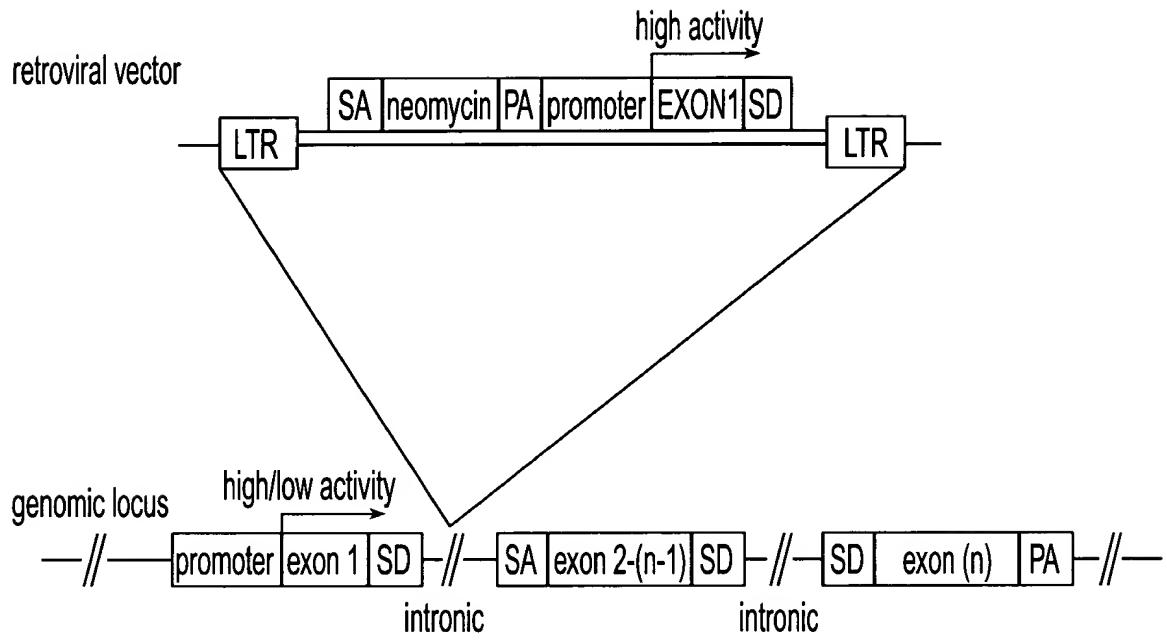


Fig. 1B



3/4

APPROVED	O.G. FIG.
CLASS	SUBCLASS
BY	
DRAFTSMAN	

chimearic transcripts/cDNA synthesis

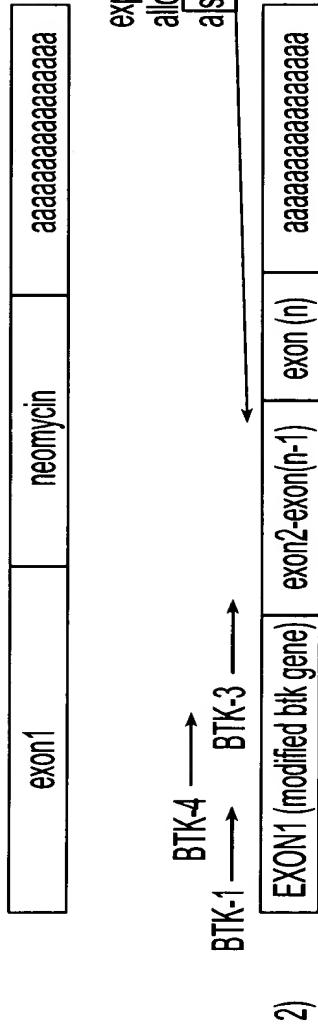
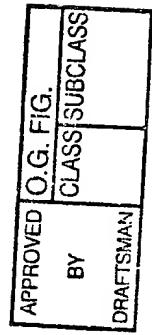


Fig. 1C



chimeric transcripts/cDNA synthesis

1)	exon1	neomycin	aaaaaaaaaaaaaaaaaaaa
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expression of the resistance marker
allows one to select cells that transcribe
a second message

2)	EXON1 (modified btk gene)	exon2-exon(n-1)	exon (n)	aaaaaaaaaaaaaaaaaa
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The diagram illustrates the structure of a recombinant lambda phage vector. The vector (TST vector, e.g. lambdaPhage) is shown as a horizontal line with a vertical branch. The main horizontal line contains a multiple cloning site (MCS) with restriction sites for rare-cutters (A) and (B), and a common site (COS). Insertion sites for RTT-1, RTT-2, and GET-2N are indicated. The vector is packaged into a capsid (COS).

4/4

Fig. 1D



Finland

Sheet 1 of 4

1/4

A)

retroviral vector

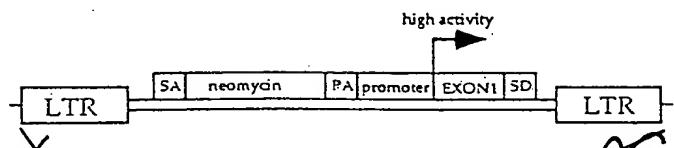
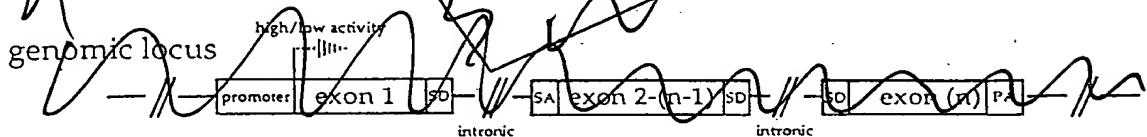


Figure 1A

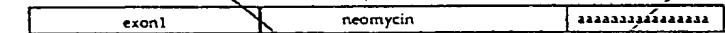
B)



1 C)

chimerearic transcripts/cDNA synthesis

1)



expression of the resistance marker allows one to select cells that transcribe a second message

BTK-1

2)

BTK-4 → BTK-3

EXON1 (modified btk gene) exon2 - exon(n-1) exon(n) aaaaaaaaaaaaaaaaaa

rare-cutter (A) restriction site
GET-2N
GET-2
RTT-1
rare-cutter (B) restriction site

1 D)

TST vector
(e.g. lambdaPhage)

SEQ-4

multiple cloning site

SEQ-5

COS

rare-cutter (A) restriction site

rare-cutter (B) restriction site

Figures 1A-1D



Sheet 1 of 1

2/4

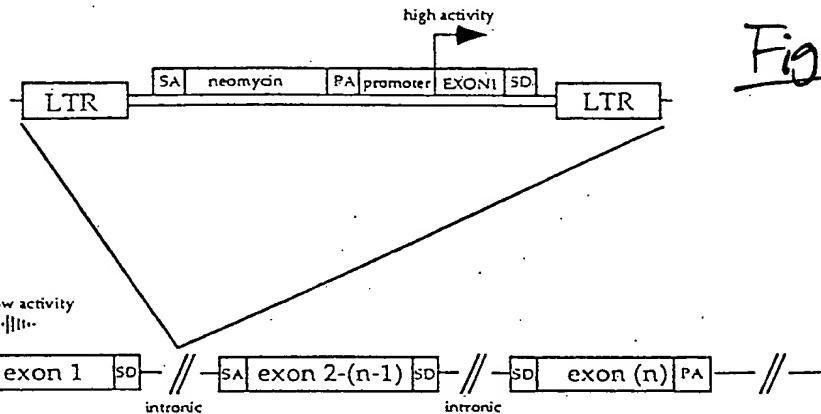
1A

retroviral vector

1B

genomic locus

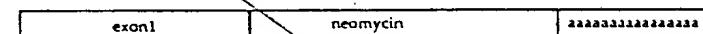
Figure 1B



1 C)

chimeraic transcripts/cDNA synthesis

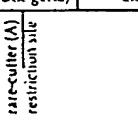
1)



expression of the resistance marker allows one to select cells that transcribe a second message

BTK-1

2)



GET-2N
GET-2
RTT-1

1 D)

TST vector
(e.g. lambdaPhage)

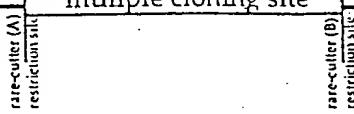
COS

SEQ-4

multiple cloning site

SEQ-5

COS



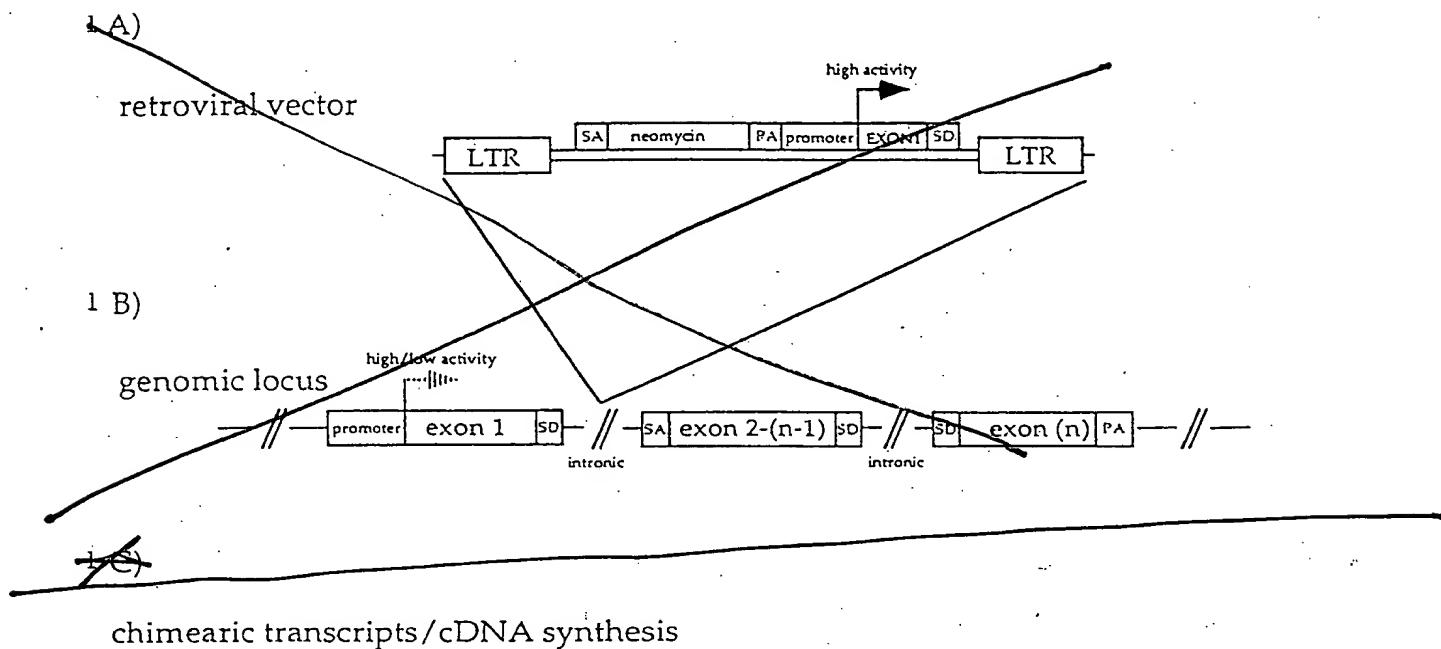
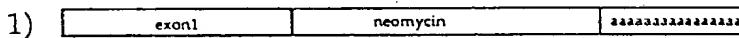
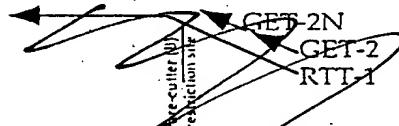
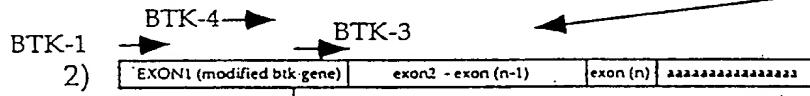


Figure 1C



expression of the resistance marker allows one to select cells that transcribe a second message



1 D)

TST vector
(e.g. lambdaPhage)

COS

SEQ-4

multiple cloning site

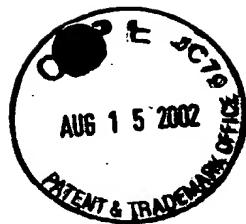
SEQ-5

COS

restriction site

restriction site

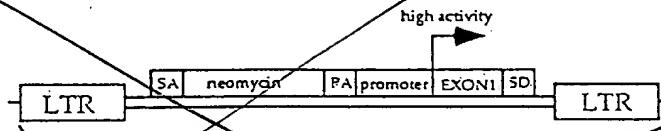
Figures 1A-1D



Sheet 1 of 11

1 A)

retroviral vector



1 B)

genomic locus

high/low activity

promoter exon 1 SD

intronic

SA exon 2-(n-1) SD

intronic

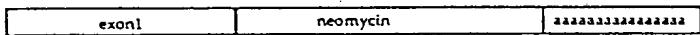
SD exon (n) PA

1 C)

chimerearic transcripts/cDNA synthesis

Figure 1D

1)



expression of the resistance marker allows one to select cells that transcribe a second message

BTK-1
2)

BTK-4 → BTK-3

EXON1 (modified btk gene) exon2 - exon (n-1) exon (n) aaaaaaaaaaaaaaaaaa

rare-cutter (A)
restriction site

GET-2N
GET-2
RTT-1

rare-cutter (B)
restriction site

1/2A
TST vector
(e.g. lambdaPhage)

COS

SEQ-4 →

multiple cloning site

rare-cutter (A)
restriction site

rare-cutter (B)
restriction site

SEQ-5 ←

COS